

**REMARKS**

Claims 1-25 were pending in this application.

Claims 1-25 have been rejected.

Claims 1, 11, 21, and 24 have been amended as shown above.

Claims 1-25 remain pending in this application.

Reconsideration and full allowance of Claims 1-25 are respectfully requested.

**I. OBJECTION TO CLAIMS**

The Office Action objects to Claim 11 because the features of a “data processor” were recited under “a plurality of memory-mapped peripheral circuits.” The Applicants have amended Claim 11 as suggested in the Office Action. The Applicants respectfully request withdrawal of the objection.

**II. REJECTION UNDER 35 U.S.C. § 102**

The Office Action rejects Claims 1, 3, 4, 8-11, 13, 14, 18-22, 24, and 25 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,680,564 to Divivier et al. (“*Divivier*”). This rejection is respectfully traversed.

A cited prior art reference anticipates the claimed invention under 35 U.S.C. § 102 only if every element of a claimed invention is identically shown in that single reference, arranged as they are in the claims. MPEP § 2131; *In re Bond*, 910 F.2d 831, 832, 15 U.S.P.Q.2d 1566, 1567 (Fed. Cir. 1990). Anticipation is only shown where each and every limitation of the claimed

invention is found in a single cited prior art reference. MPEP § 2131; *In re Donohue*, 766 F.2d 531, 534, 226 U.S.P.Q. 619, 621 (Fed. Cir. 1985).

*Divivier* recites a method and apparatus for prefetching instructions in a pipelined processor. (*Abstract*). A first prefetch buffer and a second prefetch buffer are arranged in a two-tier system. (*Abstract*). Instruction bytes fetched from a cache memory or an external memory are loaded into the first prefetch buffer and/or the second prefetch buffer. (*Abstract*). Instruction bytes in the first prefetch buffer are provided to a decode stage in the pipelined processor. (*Col. 2, Lines 25-29*).

Claims 1, 11, and 21 have been amended to recite that at least one of “one to S syllables” in a buffer is transferred into “at least one of a plurality of issue lanes leading into [an] instruction execution pipeline.” The Office Action has not shown that *Divivier* recites these elements of Claims 1, 11, and 21. In particular, the Office Action has not shown that *Divivier* recites transferring at least one syllable into one or more “issue lanes leading into [an] instruction execution pipeline” as recited in Claims 1, 11, and 21. As a result, the Office Action has not established that *Divivier* anticipates all elements of Claims 1, 11, and 21.

For these reasons, the Office Action does not show that *Divivier* anticipates the Applicants’ invention as recited in Claims 1, 11, and 21 (and their dependent claims). Accordingly, the Applicants respectfully request withdrawal of the § 102 rejection and full allowance of Claims 1, 3, 4, 8-11, 13, 14, 18-22, 24, and 25.

### III. REJECTION UNDER 35 U.S.C. § 103

The Office Action rejects Claims 2, 5-7, 12, 15-17, and 23 under 35 U.S.C. § 103(a) as being unpatentable over *Divivier*. This rejection is respectfully traversed.

In *ex parte* examination of patent applications, the Patent Office bears the burden of establishing a *prima facie* case of obviousness. MPEP § 2142; *In re Fritch*, 972 F.2d 1260, 1262, 23 U.S.P.Q.2d 1780, 1783 (Fed. Cir. 1992). The initial burden of establishing a *prima facie* basis to deny patentability to a claimed invention is always upon the Patent Office. MPEP § 2142; *In re Oetiker*, 977 F.2d 1443, 1445, 24 U.S.P.Q.2d 1443, 1444 (Fed. Cir. 1992); *In re Piasecki*, 745 F.2d 1468, 1472, 223 U.S.P.Q. 785, 788 (Fed. Cir. 1984). Only when a *prima facie* case of obviousness is established does the burden shift to the applicant to produce evidence of nonobviousness. MPEP § 2142; *In re Oetiker*, 977 F.2d 1443, 1445, 24 U.S.P.Q.2d 1443, 1444 (Fed. Cir. 1992); *In re Rijckaert*, 9 F.3d 1531, 1532, 28 U.S.P.Q.2d 1955, 1956 (Fed. Cir. 1993). If the Patent Office does not produce a *prima facie* case of unpatentability, then without more the applicant is entitled to grant of a patent. *In re Oetiker*, 977 F.2d 1443, 1445, 24 U.S.P.Q.2d 1443, 1444 (Fed. Cir. 1992); *In re Grabiak*, 769 F.2d 729, 733, 226 U.S.P.Q. 870, 873 (Fed. Cir. 1985).

A *prima facie* case of obviousness is established when the teachings of the prior art itself suggest the claimed subject matter to a person of ordinary skill in the art. *In re Bell*, 991 F.2d 781, 783, 26 U.S.P.Q.2d 1529, 1531 (Fed. Cir. 1993). To establish a *prima facie* case of obviousness, three basic criteria must be met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of

ordinary skill in the art, to modify the reference or to combine reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined) must teach or suggest all the claim limitations. The teaching or suggestion to make the claimed invention and the reasonable expectation of success must both be found in the prior art, and not based on applicant's disclosure. MPEP § 2142.

As described above in Section II, the Office Action does not establish that *Divivier* discloses, teaches, or suggests various elements of Claims 1, 11, and 21. As a result, the Office Action has not shown that *Divivier* discloses, teaches, or suggests all elements of Claims 2, 5-7, 12, 15-17, and 23.

Accordingly, the Applicants respectfully request withdrawal of the § 103 rejection and full allowance of Claims 2, 5-7, 12, 15-17, and 23.

#### IV. CONCLUSION

As a result of the foregoing, the Applicants assert that all pending claims in the application are in condition for allowance and respectfully request an early allowance of such claims.



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SUMMARY

If any outstanding issues remain, or if the Examiner has any further suggestions for expediting allowance of this application, the Applicants respectfully invite the Examiner to contact the undersigned at the telephone number indicated below or at *wmunck@davismunck.com*.

The Commissioner is hereby authorized to charge any additional fees connected with this communication (including any extension of time fees) or credit any overpayment to Davis Munck Deposit Account No. 50-0208.

Respectfully submitted,

DAVIS MUNCK, P.C.

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William A. Munck  
William A. Munck  
Registration No. 39,308

Docket Clerk  
P.O. Box 802432  
Dallas, Texas 75380  
Tel: (972) 628-3600  
Fax: (972) 628-3616  
Email: *wmunck@davismunck.com*